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| APPLICATION NO.          | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/566,018               | 01/05/2007  | Yukihiko Asa         | SAWA0007            | 9943             |
| 22862 7590 12/23/2008    |             |                      |                     |                  |
| GLENN PATENT GROUP       |             |                      |                     |                  |
| 3475 EDISON WAY, SUITE L |             |                      |                     |                  |
| MENLO PARK, CA 94025     |             |                      |                     |                  |
| EXAMINER                 |             |                      |                     |                  |
| PATIDAR, JAY M           |             |                      |                     |                  |
| ART UNIT                 |             | PAPER NUMBER         |                     |                  |
| 2862                     |             |                      |                     |                  |
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/566,018

**Applicant(s)**

ASA, YUKIHIRO

**Examiner**

JAY M. PATIDAR

**Art Unit**

2862

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/88)  
Paper No(s)/Mail Date 01/24/06
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

2. Applicant is required to provide drawings.

3. Claims 1-4,6 are objected to because of the following informalities:

In claim 1, there is no antecedent basis for "operating point"; it is unclear as to whether boundary of poles crosses the operating point or the isodynamic lines cross the operating point (that is what specification describes); the operating point is clearly defined'

In claim 2, the phrase "when it is located...distance" is not clearly understood;

In claim 3, it is unclear as to what an elastic body is; how it structurally cooperates with other elements of the device; the scope of the claim is not clear and being incomplete amounting to a gap between the elements, there is no structural connection or relationship set forth between the claimed elements. The structure which goes to make up the device must be clearly and positively specified. The structure must be organized and correlated in such a manner as to present a complete operative device;

In claim 4, the structure including a first magnet, a second magnet and a supporting member is vague; see above claim 3 with respect to structural connection; It is unclear as to what a supporting member is;

In claim 6, "an mobile" at line 2 should be ---the mobile---.

Appropriate correction is required.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6 (insofar as understood) are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 44-14970.

As to claims 1,4, '970 disclose a magnetic material detection device wherein a magnet 3 is displaceable in the direction of magnetic poles (see fig. 3) and detecting means 2 for detecting displacement of the magnet 3 wherein the magnetic material detection device detects that a magnetic material 10 located outside the magnetic material detection device body 1 is located within a predetermined distance from the magnetic material detection device body. '970 does not explicitly show the boundary of poles of the magnet crosses the

operating point of the detection means after displacement or a second magnet. It would have been an obvious matter of design selection to mount the magnet in any way near the detecting means as long as the magnetic field lines pass through the detecting means or employ a second magnet since applicant has not disclosed that this solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well with the magnet configuration disclosed in '970.

As to claim 2, '970 shows returning means 4 for returning the magnet to its original position (figs. 1-3).

As to claim 3, '970 discloses a body whose one end is connected to the magnet side and the other end is connected to the device body or housing 1 (note figs. 1-3, near 13).

As to claim 5, the magnet 3 in '970 is a cylinder shaped magnet (note figs. 1-3).

As to claim 6, the external object 10 is a magnetic material (see abstract).

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Note PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAY M. PATIDAR whose telephone number is (571)272-2265. The examiner can normally be reached on M-Thur 8:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Assoud can be reached on 571-272-2210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jay M. Patidar/  
Primary Examiner  
Art Unit 2862